

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-32 (Cancelled)

33. (Currently Amended) An apparatus comprising:

an interface to at least one wired client device and at least one wireless client device;

client-type determining logic to determine whether a client device requesting a connection is a wired client device or a wireless client device;

logic to perform a wired authentication [[function]] to establish the secure connection when it is determined that the requesting client device is a wired client device; and

logic to perform a wireless authentication [[function]] to establish the secure connection when it is determined that the requesting client device is a wireless client device.

34. (Previously Presented) The apparatus of claim 33, further comprising an interface to transmit data to, and to receive data from, a server.

35. (Currently Amended) The apparatus of claim 33, wherein the logic to perform the wired authentication [[function]] comprises logic to perform authentication using a wired communication protocol, and wherein the logic to perform the wireless authentication [[function]] comprises logic to perform authentication using a wireless communication protocol.

36. (Currently Amended) The apparatus of claim 35, wherein the logic to perform the wired authentication [[function]] comprises logic to perform authentication using Secure Socket Layer (SSL) protocol and wherein the logic to perform the wireless authentication [[function]] comprises logic to perform authentication using Wireless Transport Layer Security (WTLS) protocol.
37. (Currently Amended) The apparatus of claim 33, wherein the logic to perform the wired authentication [[function]] and the logic to perform the wireless authentication [[function]] each comprises:
- logic to determine if a requesting client device has requested authentication of the server; and
- logic to transmit a server digital certificate for the server when it is determined that the requesting client device has requested authentication of the server.
38. (Currently Amended) The apparatus of claim 33, wherein the logic to perform the wired authentication [[function]] and the logic to perform the wireless authentication [[function]] each comprises:
- logic to generate a request for a digital certificate from a requesting client device; and
- logic to authenticate a digital certificate received from a client device.
39. (Currently Amended) The apparatus of claim 33, wherein the logic to perform the wired authentication [[function]] and the logic to perform the wireless authentication [[function]] each comprises:
- logic to retrieve a client digital certificate using a Uniform Resource Locator received from the client device; and

logic to authenticate a retrieved client digital certificate.

40. (Currently Amended) The apparatus of claim 33, wherein the client-type determining logic comprises:

logic to determine a security protocol used for an encrypted request from a client device; and

logic to determine whether the requesting client device is a wired client device or a wireless client device [[in dependence upon]] dependent on the determined security protocol.

41. (Previously Presented) The apparatus of claim 33, further comprising:

logic to receive a client digital signature from the client device; and

logic to validate the received client digital signature.

42. (Currently Amended) A method comprising:

receiving data from [[the]] at least one wired client device and [[the]] at least one wireless client device each requesting a secure connection with a server;

performing a wired authentication [[function]] to establish the secure connection with the wired client device; and

performing a wireless authentication [[function]] to establish the secure connection with the wireless client device.

43. (Currently Amended) The method of claim 42, wherein said performing the wired authentication [[function]] comprises performing authentication using a wired communication protocol and wherein the performing the wireless authentication

[[function]] comprises performing authentication using a wireless communication protocol.

44. (Currently Amended) The method of claim 42, wherein said performing the wired authentication [[function]] and said performing the wireless authentication [[function]] each comprises:

determining if a requesting client device has requested authentication of the server; and

transmitting a server digital certificate for the server when it is determined that the requesting client device has requested authentication of the server.

45. (Currently Amended) The method of claim 42, wherein each of said performing the wired authentication [[function]] and said performing the wireless authentication [[function]] comprises:

generating a request for a digital certificate from a requesting client device; and

authenticating a digital certificate received from a client device.

46. (Currently Amended) The method of claim 45, wherein said authenticating a digital certificate includes verifying [[the]] a validity period of the client digital certificate.

47. (Currently Amended) The method of claim 42, wherein each of said performing the wired authentication [[function]] and said performing the wireless authentication [[function]] comprises:

retrieving a client digital certificate using a Uniform Resource Locator received from the client device; and

authenticating a retrieved client digital certificate.

48. (Currently Amended) The method of claim 42, further comprising:

determining a security protocol used for an encrypted request from a client device; and

determining whether the requesting client device is a wired client device or a wireless client device [[in dependence upon]] dependent on the determined security protocol.

49. (Currently Amended) The method of claim 42, further comprising:

receiving a client digital signature from a client device; and

validating the received client digital [[certificate]] signature.

50. (Currently Amended) An article comprising a machine-readable medium having stored thereon instructions that if executed cause a machine to perform operations comprising:

receiving data from [[the]] at least one wired client device and [[the]] at least one wireless client device each requesting a secure connection with a server;

performing a wired authentication [[function]] to establish the secure connection with the wired client device; and

performing a wireless authentication [[function]] to establish the secure connection with the wireless client device.

51. (Currently Amended) The article of claim 50, wherein the instructions to perform the wired authentication [[function]] further comprise instructions that if executed

cause the machine to perform operations comprising authentication using Secure Socket Layer (SSL) protocol, and wherein the instructions to perform the wireless authentication [[function]] further comprise instructions that if executed cause the machine to perform operations comprising authenticating using Wireless Transport Layer Security (WTLS) protocol.

52. (Currently Amended) The article of claim 50, wherein the instructions to perform each of the wired authentication [[function]] and the wireless authentication [[function]] comprise instructions that if executed cause the machine to perform operations comprising:

generating a request for a digital certificate from a requesting client device; and
authenticating a digital certificate received from a client device.